

WBIARU



Founded 1939

SEPTEMBER OCTOBER.



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YL harmonics is published by and for the members of the Young Ladies' Radio League, Inc. YLRL is a non-profit organization (501 (c) (3)), comprised of women amateur radio operators, incorporated as such under the laws of the State of California. Dues are \$8.00 per year, due and payable March 1, and delinquent the March 31. For new and reinstating members joining after August 31, the dues may be pro-rated by half the annual dues for that fiscal year (currently \$4.00). Add \$2.00 for first class postage, if desired. Dues for DX members are \$8.00 and may not be pro-rated for portions of years. In addition, \$3.00 for surface or \$6.00 for air mail postage is required for DX members. Dues for a "family member" are \$2.00; subscriptions for non-members are \$8.00 per year and may not be pro-rated for portions of years.

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Continued next page

B/LAHS: ARTICLE II - DUES: Sec. S reads: Dues may not be paid for more than one year in advance, except that when a reinstatement or a men member's application is accepted on a pro-rated basis she may include dues for the fol Toning year.



PRESIDENT'S MESSAGE

It is my pleasure to announce the recipient of the annual YLRL Scholarship. She is Carol A. Dunlap, KA1NCX, from Southwick, Massachusetts. She has completed a year and a half at Rensselaer Polytechnic Inst., and plans to continue for a degree in Mechanical Engineering at Western New England College. During this past summer Carol has upgraded from Novice to General. She is the oldest of five children and other hams in the family are her father, Kill, and her sister, KA1NCW. We hope to have a picture of Carol for our next issue of YD Harmonics.

We were all saddened by the sudden passing of YLRL's immediate Past President, Rose Ellen Bills, N2RE, in June. She was active in many radio clubs and had contributed much time and effort to YLRL during her membership, and she is the only YL to have held all elective offices in YLRL. Rose Ellen was on the committee for the mini-convention scheduled for 1987, along with Myrtle, N2AKC, and Jan, WB2JCE. They have decided to change the dates and location of the mini-convention. It is now scheduled for May 29-31, 1987» at Ft. Myers Beach, Florida.

I'm blest with wonderful officers in YLRL, who are all doing a good job and eager to be helpful. Many thanks to Sue, KA6S0C, for all her hours and hours of work at the computer entering the data for the Directory Issue of YL Harmonics. And also thank you and 88's to Sue's OM, Bill, who did the programming, which is no small task. We really appreciate the efforts of both Sue and Bill. And thank you also to Joan, KD7YB, who is handling two jobs, Editor and Circulation Manager for YL Harmonics. Few members really realize how many hours it takes to produce YL Harmonics and get it ready for the post office. We appreciate all your hours of work, Joan. The Directory Issue was really a "team effort," so thanks also to our Vice-President Mary Lou, NM7N, for gathering and typing all the information for the Net Directories, and she also typed the information about YLRL Contests. There are several new contests, so be sure to read about them. I am not contest-minded, but as President I feel I should make the effort to support all YLRL activities, so I'll join in the up-coming contests. I'll be looking for you during the YL Anniversary Party in October, and subsequent contests. Let's all participate.

J5, Jackie, W6YKU

Jackie, W6YKU

It is with great pride we publish the following report received from Miss R. Bharathi, VU2RBI. To all who participated, our congratulations and Well Done!

HAM TO THE RESCUE OF SHIP IN DISTRESS

On Wednesday the 25-6-86 at about 0730 hours Ham Operator Mr.S.Subramanvam of Bellary and Miss.R.Bharathi of Hyderabad while tuning their receivers on (7>MHz 40 metres band heard feeble MAYDAY call (Distress Call), was being made from a station which could be made out clearly low signal strength, readability and tone was comfortable. As it was a distress call they continued to hear. Already there were few 4S7 (Srilanka) ham stations who also picked up the signals and were in contact with the station calling MAYDAY traffic for help. The call sign and the name of the vessel was confirmed by the SOS Station as OM.Brucee HP3YM/MM. It was resolved that the name of the ship is YATHI and there were 3 others, other than the operator. OM.Brucee who operated the call sign HP3YM/MM. OM.Brucee also told that they have been trying to contact the Port Blair station of Indian Navy for rescue, but they could not contact them. OM.Brucee is an American and the ship has International Distress Panama Flag. He requested for help stating that they were in need of fresh water, food, medicine items etc., urgently for their survival whi 1 eMiss.Bharathi alerted all coast A.P. Ham Centres, to stand by to keep a watch/relay for their vessel. Many Indian Hams specially from Madras, Madurai, Bangalore came to know that the distress signal by the evening on Wednesday 25th June and we were on stand by on 7060 KHz frequency and many of them spent good part of the time to help the sailor. Miss.Bharathi immediately took action. She alerted other ham operators through out the country. She informed the Chief Secretary and other officials including those from Ministry of Communications in writing. The monitoring organisation of the communication Ministry at Hyderabad got in touch with the officials of Monitoring Station at Vizag and they in turn contact with the officials of the Eastern Naval command at Vizag. Meanwhile Miss.Bharathi and other ham operators of APARS at Kakinada, Guntur, and Nellore were in constant touch with the vessel over Ham Radio. Mr.Unnithan of Vizag ham was informed by the authorities of monitoring organisations Vizag on a request from Bharathi and also informed Naval command, Vizag, Major participant for the next 48 hrs. was by OM.Unnithan VU2PPN on control station from Vizag and stand by control by YL Bharathi VU2RBI at Hyderabad.

Naval authorities responded to initiated immediate rescue operations. Naval aircraft was organised. Since it was dark by the time Navy stepped in to rescue on Wednesday at 7.00 P.M. the Navy programmed spotting for the next day. Navy could not establish contact directly with the vessel and Naval Officer i/c communication visited local ham house to get details directly from the vessel. The vessel was located on Thursday by Navy aircrafts, Mr.Suri, Director of NIAR rushed to Vizag to supervise the communications and to stand by for any organised ham help further. He also facilitated a Naval officers for contacting the vessel through ham radio as they could not get in touch with their equipment. The four persons on board the vessel who were believed to be heading for Dubai were identified as Mr.Brucee (U.S.A.), Mr. Mohhmed (Indonesia). Mr. Krishna Swamv (Srilanka), Mr.Abdullah Bin (Malaysia). The Navy sent their ships for rescue on Thursday but due to bad weather they could reach the vessel in distress by Saturday morning.

Finally the vessel was saved by Indian Navel authorities at 9.50 A.M. (28-6-86). The rescued ship sailor OM. Brucee HP3YM/MM stated that he has

... tied the rope to the main vessel of the Navy and also received a walky talky from the Naval authorities and other essential requirements for life saving. He thanked all the radio hams before winding-up operations with the hams. Since the vessel was brought under the control of Naval authorities Ham Operators closed their operation was was practically 24 hrs. operation for 3 days. Director of NIAR is specially thankful to all the Govt, agencies which gave good support to the work done by hams. This operation has definitely created much more awareness about the usefulness of Amateur Radio in times of distress, due to instant and wide publicity. It has motivated the public in general to know some thing more about the ham radio and its working.

It is to bring to the knowledge of all concerned officials the details of operation and also to thank all concerned this leaflet is being circulated.



(S. SURI)
VU2PIY
DIRECTOR

We can't always be involved in a situation as dramatic as VU2RBI's but many of us do participate in public service events and fun events. Did you handle traffic in an emergency? Were you fortunate enough to work JY1, K7UGA, or K6DUE. Are you involved in teaching ham classes; perhaps you have a funny incident to relate. Do share with us. Drop your District Chairman a line and tell her what you did in amateur radio this year. Your friends would like to share and just think of the doors you might open for a new ham.

33, and the Lord bless.



WA2NFY, Lia to Extra
WB00Y, Donna to Extra
WBWRJ, Carol to Advanced
KA7VYF, Carrie to General
VK4V6, Josie (ex-VK4VAN)

Well done!

Upgrades!



CONGRATS!!!

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SILENT KEYS:

With deep regret we report the passing of these YL's:

WB5MHF, Florence Fineberg
K7NZ0, Raj S. Welch
tWIRTB, Nell Waterman

Warmest sympathies are extended
to their families and friends,

^corrected call

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CONTINUOUS MEMBERSHIP CERTIFICATE

Jeanette Ellis, WO4U, Custodian

April 1 to August 1, 1986

Table with 8 columns: CALL, YRS, CALL, YRS, CALL, YRS, CALL, YRS. Lists call signs and years for various members.

DISTRICT NEWS

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1st District News Anne Manna. WB1ARU
Stitjc*****

Sorry there's no news from 1-land this issue. I'll make up for it
in YLH #6. But, I'll look forward to seeing as many of you as I
can at the ARRL Convention in Boxboro, MA, Oct 18-19th. Look for
me at the ARRL/YLRL booth. 33's to all. Anne, WB1ARU

2nd District News

Minerva Fronho-fer. WB2JNL

Hello from sunny Salem, NY, with the directory falling in the summer months, I have a lot of news backed up. As I have said the two land girls are terrific in keeping me informed.

We are pleased to report that Vi, W2JZX, is recovering from hand surgery, she traveled to Rochester, NY, where her daughter Dr. Betty Harder is located, to have the surgery.

We want to congratulate Gladys, WB2RWT on receiving the YLISSB two top awards at the 1986 Seattle convention. The Regal Trophy and the Top Hat Award, we are so pleased for Gladys.

Also special congratulations go to Lia, WA2NFY on getting her extra class, she was so happy, and we are for her. Lia and Om, Lee were busy in August working the Empire State Games, they were able to get to meet my family. One of our grandsons took two gold medals in wrestling.

I can always look forward to an interesting letter from Jean, WA2BGE, when she goes on a trip. She attended the YLISSB convention in Seattle also, she had a marvelous time, she took a trip into Canada, having no identification at all on her, she writes, "thank goodness Canada is a friendly nation". She said there were schools of porpoise following the ship and jumping out of the water. All the scenery was very beautiful. She is off on another trip, look forward to hearing about it.

I would like to include in our two land column a tribute to one of our sister YLs. Dorothea, W4QBY is 90 this year. She drives her own car and does all the food shopping for her family. She also walks the five blocks to her Womans Club, where she plays bridge twice a week, she belongs to several clubs and keeps up an active social life, she also gets on several of the nets during the week. I think she is great.

Betty, W2PVS and OM Bill have had a busy summer, they have made many of the ham fest around, we had a nice visit with her at the Burlington one. Their son & his family came for a visit from Kansas, they then attended a family reunion. They are very active in MARS and QCWA. They hosted a luncheon for thirty members from the southern NY group. Come October they will attend the QCWA convention in St. Petersburg in Florida.

I received a nice newsy letter from Gladys, WB2OQY, her and OM Jan, WA2OQW have been quite busy, they worked the Triathlon race in Olean, NY. They had a great time and were very impressed with the runners. They worked field day, and she writes she had the pleasure of helping a ten year old, would be novice, learn what field day was all about. Even with poor band conditions she has been able to work DX and get her 224th country, working 3C0A and Wake Island. OM i Jan worked China. She hopes to do that also, lots of luck i Gladys and thanks for the letter.

Our New York City YLs have sent a note via Christine, WB2YBA when she attend the May luncheon, Christine says she enjoyed the Dayton Hamvention. OM Sam is recovering well from surgery, but younger brother is dying from a brain tumor, we hope he is as comfortable as possible. We got to say hello to Christine at the SAYLARC April luncheon.

We want to send our congratulations to Bea, WA2RST and Bob Hertzberg on their marriage in May. Bea said she had a nice winter in Florida and it won't be long she will be heading back.

Sallie, W2UXM says hello, she has not been well and had to curtail her activities, hope you are much better. Amy, W2EUL, was happy to be with the girls at the luncheon and says hi also. Ruth, W2IGA is not active on the air but enjoyed the reunion with all old friends. Ruth, WA2RIX really keeps busy, she is Rec. Sec. of Westchester FM Repeater ASSN., and keeps active in many clubs and also congratulations on that new grandson.

Barbara, NC2Q, and OM Lewis, KD2EC, enjoyed a fine trip to Holland in May. Barbara is organist at Old Reform Church in Kingston and has been studying the music, language and culture of the early days of the Dutch in Hudson Valley.

lone, WA2DMK wants to be remembered to all, we had a nice lunch in August, she was busy getting ready for her daughters wedding in Aug. She is busy working and not on the air.

Thank you all so much for all your news, as I have mentioned I will not be writing the column for 1987, so please think about doing it, any of you two land girls who would like to take over, please write to Jackie, W6YKU, and let her know.

33 America W/BJNL

4th District News

Alice King, N4DDK

Congratulations to Myra, AA4TI, (exKJ4NW) on upgrading, again. We just got used to her new advanced call when she did it again in April. Also in April, Blanche, W4GXZ, and her OM made their annual trek to N.H. -For the summer. Isn't that a bit early, Blanche? Brave people! Phyllis, N4FC3G, and her OM joined the many Hal Iey-watchers last spring, taking their RV to Flamingo National Park to enhance the view. Later they traveled to Seattle, WA and California. Betty, W4EHN, attended the spring reunion of the Class of 1921 in Lynchburg, VA. She is a very busy lady, having made her one-thousandth YL contact, working as a PINK LADY, and all the things that a GREAT-grandmother has the fun of doing. Cathy, W4BAV, who does such a good job of keeping all Florida aware of the activities around our county, and especially the YL's became a bit of news herself, spending some time in the hospital in April. Her stay included a siege of surgery which was followed by a careful recuperation. Thanks to Winona, KA4MEW, and Thelma, WB4AUR, for keeping us up to date while Cathy was away. After asking for suggestions and "excuses for owning one" Dorothea, W4QBY, is now having fun with her McIntosh computer. However, each morning she first exercises — tapping fingers and toes to the music while her daughter does the real thing. Dorothea, by the way, is 89.

The Atlanta Hamfestival on July 19th & 20th was a great success. No small part in that project was the many YLs who exercised leadership and assistance in many areas. A special

guest was Jackie, W6YKU, YLRL President, who was the featured speaker at the YL Forum and a guest at the annual luncheon on Friday. The M.A.L.A.R.C. gals had devoted their May meeting to stuffing envelopes with Hamfest flyers. Cooperation is the word. Good going, gals. Jane, WA4YWK, vacationed in Florida, returning to Atlanta with tales to relate.

Jeanette, WG4U, didn't mind so much missing the trip to Grand Cayman with her OM when the return trip was delayed by a fire in his hotel. Carol, W14K, became the Vice President for Publications of the Amateur Radio News Service Bulletin. This brought forth her biography in the April edition. That is one busy girl! Her activities are legion, and she still has time to care for her home, son Neil, OM Steve, work with her church, and help with the campaign of the Senator of her choice. It's a pleasure to have her put our best foot forward. Visiting with them for the Hamfest was Carol's sister, Lynn, who made it a really big week-end by passing the Novice Test on her birthday, July 19. Administering the test was Nancy, NK4U who was attending as manager of the W4 ARRL GSL Bureau. Lynn, studying for her next step, joins another of our 4th District Ham Families (W14K, OM WA4G0X, father N5FL0) with their mother, aunt, and W14K's son, Neil, studying for Novice tests.

Congratulations to Peggy, N4MMM, for gaining recognition by the June QST in the Public Service Honor Roll and the Roanoke Division News. I read with regret the announcement in the UCARS Transmission Line that Abby, KJ4KA, has asked to be replaced as Editor so she might have more time for some of her other activities. She will be hard to replace in a very demanding job. My special thanks to her for providing something for each edition of YLH. Thanks, also, to Jeanette, W04U, and Claire, N4HJE, as editors of the M.A.L.A.R.C. Messenger; Carol, W14K; and the evei—faithful Cathy, W4BAV, who saw to it her place was filled during her illness.

Gals, there are two very important dates to be put on your calendars now. YL SPRING FLING!! MINI CONVENTION. May 29,30,31, 1987 in Fort Meyers Beach, FL. The change was necessitated by the recent death of Rose Ellen, N2RE, and the move of Jan, WB2JCE, to Florida. There is a great group of YLs in that area and plans are well under way. Included are activities for your OMs. Florida weather is at its best at that time. Please include this in your spring vacation plans. Also, on March 14, 1987 the FLORIDORAS will celebrate their 30th anniversary with a luncheon as part of the Orlando Hamfest. All YLs are invited and urged to join in this festive occasion. Any of you whose areas are planning conventions, or whatever, please let me know as early as possible so I can include them in YLH and my calendar. I plan to attend as many of them as I can this year, but need to make my plans early. I look forward to meeting old friends and making new ones. And, by the way, keep your eyes out for those new M.A.L.A.R.C. shirts. They are powder blue, polo style, and sound beautiful.

This summer has seen the usual large amount of travel by many of our friends. We hope they have all arrived safely back home and have their fall activities well in hand. What a privilege it is to live in a country so blessed with sights

and sounds a-f such great variety and the right to go and see
as we please! My thanks, also, to our great neighbor,
Canada, who grants us those same privileges. Take care. God
bless. 33

Al ice

5th District News

Joyce Kepler, W5MWK

From TEXAS with love-our dear old Lone Star state is broke; oil and gas
prices down-way down, has taken its toll. Our present heat wave has broken
the 1980 record on several different days...SUN TAN in an hour, Hi, Hi.

Barry Gordon has a wide grin on his face these days, as do his parents,
NC5A-Hy and N5AYX-Irene. Barry just passed the Novice Exam and is checking
the mail daily for his call. He is also working on his Technician as his
Dad and Mom promised him a handheld as soon as he gets it!!! Yea!

Penny, WBjjWRD and Om Emice, KAJJEM, will have a new QTH after this spring,
the upper peninsula of Michigan. They will miss Five-Land.

Margaret Pearre, K5MXO, had bilateral breast surgery but all was benign.
She is no longer working-sorta retired.

Anita, WA5JMC and Pump, WA5CYL's daughter Carol and her husband, have
moved to Dayton, Ohio, where Carol will be attending the University of Dayton
for one year to obtain her E.E. Degree, after which she will be in the Civil
Service working for the Air Force.

K5JGC, Burnette is enjoying editing the Newsletter for her QCWA Chapter
27 Houston this year. The OM K5EYN, T.P., keeps busy as Program Chairman
and Vice-President of the same organizationj so together, they are having a
great time with another fine group of hams! Sure hope you and T.P. enjoyed
your trip to Las Vegas, the Grand Canyon, Brice, Zion and other points..and
thanks a million for the news from the GAYLARKS.

WD5FMP, Linda and Om WDJFMQ, Dick just returned home after a lovely vaca-
tion on St. Thomas, Virgin Islands. Linda said they were concerned when they
discovered the cottage didnt have air conditioning, but found the nights
were cool and comfortable. Driving on the left side of the road was no
problem for Dick, he did it like a pro and he and Linda had a good time.

W6QGX, Harryette went to North Carolina and visited her Mother. She flew
there, then she and her sister took a bus tour on the return trip to Mountain-
burg. They had a very nice time. Harryette being a new Grandma is really
looking forward to Christmas getting here this year...Susan, Ariel and the
GRANDDAUGHTER will come for a visit. >

W0AYL, Ella and om had a wonderful time in Colorado. They included in their
sightseeing the area where Ella was raised up. They enjoyed the old buildings
and scenery and everything in general. After HOT HOT TEXAS, they aboutfroze
to death in Colo.

N^FFB, Maureen and NJGAP, Carol got together and had a YL Hospitality Room
at HAM-COM. Everyon.e enjoyed the coffee and cookies and the good-olde EYE-
LASH QSO's. It was nice meeting the new YL s and seeing all the old-timers.

K5JFJ, Julia said her car chose the 107* weather to have the air conditioner
go out—worse yet it took a week to get her car back from the garage. Julia
attended the last QCWA meeting and enjoyed viviting with everyone.

K5MPI, Mary has had a rough year. She hurt her foot and was in a wheel-
chair and on crutches awhile. .You know nothing slows Mary down, she stayed
busy the whole time going places and entertaining.

W5JCY, Bertha has been in the hospital. She is back home getting readyto
print the GRAPEVINE for TYLRUN. She checked into the TYLRUN Net after a long
absence...Great to have you back Bertha.

K5BNQ, Doris and. OM Andy took a month long trip to Australia, came home for a short visit only to find the finals in their TS430 had gone out along with the mike...when it rains it pours, Hi Hi; Graduation of a couple of Granddaughters slowed them down a brief moment and then off to ALASKA in their pick-up and camper with only the 2 Meter Rig. Hope you found cooler weather and had a wonderful time .

N5GAP, Carol , Due to poor band conditions is serving as stateside N C for the African Queen Het. If DX is your thing and you need IL S look on 1 If. 235 at 2030 UTC. Basically a YL-only net OM's are invited to stand by until all YL's have made their calls, then Oil's are welcome to call any YL on frequency A certificate of membership will soon be available. Carol has been made a member of the Liberia Radio Amateur Association, LRAA, and given the call of EL2AP. Carol plans to take a trip to Monronia in Oct. or Nov. of next year if at all possible.

WB5FGM, Myrtle has been working hard as Net Manager of the TYLRUN Net this year. She has also been on the sick list. Hope you feel better soon.

W5MWK, Joyce has really been busy this year on the road and keeping the grandchildren...due for a vacation I think, Hi!

WB5YLI, Billie keeps the Sparoyl net roiling with the aid of N.5DSY, Evelyn KC0PY, Ruby, WA9QQE, Fem and oh, yes, do not forget the guy with the curlers in St. Louis that is always willing to give a helping hand

Does New Mexico belong to five land??? Have not had any news from that area this year....sun spot, pony express, I know lost mail, Hi! Mil

54
Joyce - W5MWK

*****'(<>>)*'*****

6th District News

Betty Bravin, AG6C

Where has the summer gone? Can hardly believe it is tall already! Hopefully, all of you had a nice summer. Looking forward to seeing many of you at the San Jose convention in October.

KA6STT, Mim, is newly retired and enjoying every minute of it.

Evelyn, N6DES, is off to England and from there to Kashmir on another bird-watching jaunt.

K6BUS, Midge, is moving into a new home in Calimesa.

Irma, K6KCI, is looking forward to meeting K8TFR/6, Carolyn, and her OM when they stop in 1000 Oaks on their way to a wedding in Malibu, and to seeing K5ECP and K7SEC and their OM's when they stop in after attending the ARRL National Convention in San Diego.

The Ladies Amateur Radio Association of Orange Co. is at it again, this time working on a project to buy equipment and furnish back-up support to blind individuals interested in becoming hams at the Braille Institute. What a great group of gals! and I had the pleasure of checking into their Thursday night YL net on 2 meters while visiting Orange County this summer. Sorry I missed Martha but Froma and the girls were fun to talk to. Our sympathy goes to Martha and family on the loss of her brother-in-law.

The YLRC of Los Angeles welcomed their British adoptee. Frances Wooley, 53LWY in August.

Jo, WA6ZGM is alive and well in Chico. She is working most of the time and now has 2 horses to replace the kids when they left home, Hi Hi. She is expecting a visit from her 2 grandchil dren this fall.

W6CEE, Vada planned and presented a luncheon honoring W6YKU, Jackie, YLRL president. Guests were YL's -from northern California and southern Oregon. Jackie was well received and a major outcome of the get-together was the proposed formation of a new YL club for that area.

If you find this column "short" it's because I havent heard news of anyone - so girls, it's your column and would love to hear your news. Thank those of you who took the time write. Take care -

33, Betty, AG6C

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7th District News

Marion Dixon. WA7TLL

J*****

We hope you have all had a great summer. The OH Hay WA7TS0 and I spent 3 wonderful weeks amidst the magnificent mountain scenery of Alaska, visiting our son in Anchorage and touring by car from there to Mt. McKinley, Fairbanks, Valdez, ferry to Whittier via Columbia Glacier, & camped on Kenai Peninsula.

WA7RVA Ruth, OM Dick N?CY, their daughter and family returned well sun-tanned after spending 2 weeks in Florida in April. They visited Epcot Ctr., Cypress Gardens, Kennedy Space Ctr., and had a short cruise to the Bahamas with beautiful swimming and snorkeling plus fabulous food on the boat. In the summer Ruth has had a painful time recovering from the shingles,

NM?N Mary Lou returned at the end of April from a fantastic trip back East with Fred, k9dog who loved the motorhome, too. They spent a week with her parents and she showed her Africa pictures to YLs in Ariz., Ark., the East Coast, and Minn, (where she used the side of an RV for a screen). At the end of July they had a great backpack trip in the western part of the Glacier Peak Wilderness, seeing beautiful wildflowers and a marmot with 3 babies. Fred carried a 10 lb. pack including his own food. Shortly after return, while splitting wood Mary Lou had. a metal fragment from a splitting maul break off and imbed itself in her leg, causing a great deal of pain.

N7HAT Audrey and OM George left for Europe in March, purchased a car and had a marvelous time traveling some 10,000 miles in 15 weeks, returning in early July. They especially liked Portugal, except found the roads narrow, with many ox-carts. Their car was shipped to them here in the U. S.

There were 1b- MINOWs and 9 OMs in attendance at the annual MINOW Picnic held at Coeur d'Alene May 2b and 25. Our thanks to K7UBC Verda and WA7BDD Joan for making the weekend so enjoyable. Verda made 2 kinds of luscious cake plus candy for a Sat. Pl-i snack at her house. NM7N shared her Africa slides with us after the Sat. night dinner. Other MINOWs present were K7MFS, KU7F, WA7RBR, K7KHU, K1IIF, WA7TLL, WA7RVA, K7PVG, WA7ZVQ, VE7DVG from Port Alberni, B.C. and K7MRX from Mesa. We were honored to have YLRL Pres. W6YKU Jackie and OM Van W6CKV with us also. New MINOW officers elected were: Pres. WA7TFU Bernice, Vice-Pres. WA7FRM June, and Sec.-Treas. KU7F Flo.

WA7TPU Bernice missed the MINOW Picnic in order to attend the graduation of a grandson at Whitman University and enjoy a visit with their son and family who came from Alaska for the occasion. On June 15 Bernice and OM Sam attended his 50th college reunion at Montana State University, Bozeman.

NM7N Mary Lou entertained KA6S0C Sue, HB9ARC Greta and ZL1ALK Celia two nights at her QTH and they were joined by K7PVG Frieda, KU7F Flo and K1IIF Ruth for a buffet lunch. Mary Lou and Sue drove the DX YLs to Vancouver to visit EXPO 86 and while Celia went on, Greta returned with them to attend the YLISSB Convention in Seattle. K1IIF Ruth had HB9ARC, KA6S0C and NM7N to lunch and to meet some of the YLs in the Lacey area.

KU7F Flo did a great job organizing the YLISSB Convention in Seattle at the end of June. She reported 97 attended the banquet, with 8 countries re-

presented, including Australia, Hungary and Switzerland. The following week a few hams joined Flo for some relaxation at their place at Fish Lake.

K7PVG Frieda and OH Hugh K7PVF attended the luncheon at Mary Lou's as well as the YLISSB Conv., where she won a subscription to CQ. They especially enjoyed the Blake Island Salmon Bake Flo arranged for the Convention. Their motorhome is for sale and they will be driving by car in late Sept, to Yuma to spend this winter in the park model they bought there last winter.

K7YDO Gerry and OM Walt K7VTR had a good time for 10 days in Hawaii and spent a night on the beach to watch for Halley's Comet, which unfortunately was not visible because of clouds. They met many hams with whom Gerry has talked on the Maritime Mobile nets and enjoyed a picnic on one of the sail-boats. They attended the YLISSB Conv. and have been gardening and swimming.

It is with sadness I report that K7NZO Raj of Lacey, WA became a silent key on Aug. 10, from a brain tumor. She was a charter member of MIHOW net.

W2GLB Phyllis looked forward to a visit with WA9TDR Marilyn and HB9ARC Greta before leaving for Seattle to attend the YLISSB Conv. She and OH Bill W2GTX planned to return to Arizona Aug. 19. We hope to have a report on their travels (including a trip to China?) in the next issue of YLH.

There were 27 Arizona YLs at the May 17 luncheon at the Marina in Arizona City. WB5ZME Jewel came with KC7ET Evelyn and they continued on to visit KC5SG Hilda. Other seldom seen ladies were KA7SWH, K7MRX, KA5TUA who recently moved to Tucson, KA7SWF Kay who works nights, K7GAT Lee and KA7VYF Carrie who is a new General. K7KAE Lily May presented the proposed Constitution for the Cactus Keys. There will be a CERTIFICATE. Some 25 YLs had paid their dues for the year before the charter meeting held Sept. 13 in Arizona City.

KC7ET Evelyn, K5ECP Helen and K7SEC Phyllis had the YLRL booth at the Las Cruces, KM Bean Feed, with 25 YLs attending and 2 new sign-ups for YLRL. K7SEC set up the YLRL booth at the Sierra Vista, AZ Hamfest.

WB7DFD Jane, K7ESA Dottie, K8DMU Reeva and several others were involved with communications for "Hands Across America". KC7AQ Doris, W7GFF Betty and WA/NNC Karen were nominated for achievement awards from the AZ Old Pueblo RC. KB8RT Lee spent the Memorial week in New York City as a delegate to the Library Film Festival. K1Y CZ Marge of Mesa went tubing down the Salt River. The OM of WB7DJT Lois bought her 4 lottery tickets for Mother's Day and one was a winner for \$596.30.

KA7QEHI Ski made and dressed a Cabbage Patch type doll as the girl on the globe with a toy HT in her hand for the Arizona Hamfest in Flagstaff. Tickets on it were sold at \$1 each to pay for YL expenses at the hamfest and KA7VYF Carrie was thrilled to win the doll. Although she has 3 little girls, she said, "This doll is mine". WA7IVA Vera won the YLRL silver charm, N7DFH Marilyn won the jacket patch and KA5CRK Judy won a membership to YLRL.

N7HTX. Robin received the Arizona Ham of the Year award. For years she has been very active setting up community service projects in Phoenix area.

K7SEC Phyllis was elected Sec. of the Amateur Radio Council of AZ and OM Howard W7UCX the Old Pueblo RC delegate. He retired at the end of Aug. and they look forward to doing more as a couple in ham radio and at church.

KA7MZZ Patsy enjoyed a phone call from WD8MI0 Connie on July 9 and the next day they met for lunch with KA7CED Rozy, WB7AET Meg and Connie's mother joining them. A few days later Patsy and OM John KE7CR invited some club members to their QTH to meet LA8PF Per and also took him to see the waterfalls in the Columbia Gorge, Bonneville Dam and then back along the Washington side of the Columbia River to Longview.

K7WUR Carol has retired from nursing after 33 years but does not have much free time as she is now handyman, Sec.-Treas., bookkeeper, purchasing agent, et al at the OH's radio shop. She has not been on the air much since getting her USA All County Award. She and OM W7VEW attended the WIMU Hamfest and plan to spend the winter months in St. George, Utah. Daughter Tess graduated from University of Utah and Sue will be a senior in Pre-Law.

KD?YB Joan and OM Uppy N?FLE had a most wonderful trip to Alaska in June. They traveled by Marine Ferry from Seattle, with stops at Sitka where they enjoyed the Sheldon Jackson College Museum and at Juneau where the highlight of the trip was a helicopter ride to land on Mendenhall Glacier. They visited a fantastic museum at Skagway before returning on the ferry Columbia to Seattle in time to attend the YLISSB Convention.

Thanks again to all who sent me news. Please keep it coming and let's hear from more of you,

33. *Marion*

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Bth District News

Donna Burroughs, KBBYS

Hello from warm sunny soggy green Ohio. Won't say much about the weather, we've all had a strange spring and summer. Just wish we could send some of our water to the south east.

Very important news I forgot last time was the new officers of the Buckeye Belles elected in April at our Silver Anniversary/Annual Meeting. President Rosemary Shook KDBSC Mice Pres. Elizabeth Mote NBFQS Treasurer Sally Taylor Gardner NBEEG Secretary Pauline Cunert WDBBTS Certificate Custodian Marge Farinet KBITF Memorial Station WBMBI Dorothy Higgins W8RZN and Editor of the Burr Jean Blakeslee WB8FIC. Congratulations and best wishes for your term in office. Our thanks to our former officers for a Job well done.

Hands Across America: The Public Service "Biggie" of all time could not have been accomplished without Ham Radio and we did a fantastic Job. There is no way I can list all of our members involved, but we know who we are and can be very proud of being a part of such an achievement.

KJ30/8 Joanne was NCS on 20 mtr and OM WD8MPU Larry was NCS on 75 mtr for the event.

WBQDY Donna has upgraded to Extra. Congratulations Donna.

WBWRJ Carol has upgraded to Advanced. Congratulations Carol and thanks for keeping the Monday night 2 meter net alive even when the checkins are scarce. With summer activities winding down, it might pick up.

N8GBM Beverly took her dog "Buddy" to a show in Kansas City Mo. and came home with four Blue Ribbons. Congratulations to you both, I say both because I know dogs don't get that good by themselves

KA8CYF Helen is very proud of her prize winning dog also, Buffy presented her with four beautiful healthy puppies.

K8HGD Louise received a Kenwood TS330S for her birthday in July and is active on the nets again. She and DM will be celebrating there 50th Anniversary in November and Louise will make the cake. Thats one way to get the kind you want! Happy Birthday and Anniversary.

KM8E June is Just back from a 7000 mile trip out west. She had "Eyelash" QSD's with WM50 Kathy, KK5L Carol, KC7ET Evelyn, K7SEC Phyliss and K6KCI Irma. She was able to spend three days with Carol and they made a trip to Galveston Island. June had fun vidio taping their vacation but she has a fear of winding mountain roads with no guard rails, while viewing the tapes at home she found that she had filmed 25 ft of dashboard when she scrunched down on the seat of the car and forgot to let go of the camera button.

They traveled all over San Antonio looking for the Alamo, but said it was well worth the time spent searching for it. They had a great vacation but are glad to be back home.

June took 3rd place in the womens bench at the black powder competition and DM John took 1st in the mens. Congratulations and welcome home.

WDBBTS Polly is back on the air again since her son is here from Texas and has gotten all the bugs out of Hom's rig and she now has a 20 over signal. She also has her children from Buffalo and the will be enjoying a family reunion untill Aug. 23rd. Thanks to your son from all of us for getting you back on the air .

KA8NXU Erica has had a busy summer starting with camp for the Sth year and a trip to Washington O.C. Also a family reunion in Detroit and WDBIKC Doris and I had a DSD on 2 mtrs. with her while they were going thru town. In her spare time she is a volunteer worker at the Wheeling W. Ua. zoo.

KBPXX Tonie.WBLQY Ruth, KBYFB Rosie, KBUKM Zip and KB6WF Jogce had there own Mini Buckeye Belle reunion at Plain City. It Just so happened they all were able to get together and they had a lovely lunch at the Amish resturant "Dutch Kitchen". They had a great time and ate too much.

WBRZN Dottie is proud of her twin grandchildren, they brought home Silver medals from the Twinsdays Celebration in Twinsburg for being the least look-alike twins. But I'm sure they are the most beautiful. Right, grandma?? Dottie's neighbors took first prize for the oldest twins.

KA8TMD Ann and DM Floyd have been busy going between Huntington In. and Ionia, Mi. taking care of their parents. They have planned short trips but other responsibilities have kept them closer to home. Ann is working hard on code to upgrade to Extra, she really appreciates and respects the ones that have made it. Instead of staying all winter in Fl.,they will be making many 3&4 week trips. We all wish you the best. Ann is enjoying her grandchildrens equestrian activities and competitions.

WBBDDI Uirginia is in the hospital recovering from eye surgery. Best wishes for a speedy recovery Uirginia.

W8SPU Helen is home trying to recover from a stay in the hospital last winter while in Fl. She has not gotten her strength back. She keeps two skeds a week with her daughter Uirginia WB5ILL and grandson KABQZW. Other activities include her regular exercise and knitting for her grandchildren. I hope there are a lot of chBery cards going through the mail.

N8FED Pat and DM N8FEB Jack and son KA8WTZ JD are as proud as any family can be, they are now a "Whole Ham" family since daughter Danielle, 8 years old is now the proud holder of a Novice ticket with call sign KABZQD. Congratulations Danielle I

Goodyear Hamfest was well represented by YLRL members. In attendance were WABUTS Ann, NBAJU Sue, KJ3D/8 Joanne, N8F0S Betty, WDBIKC Doris, W8WRJ Carol, KBBYS Donna, WDBBTS Polly, KA8UXL Alexa, KDBER Jean and KA8MPH Mary.

KD8SC Rosemary was the hostess at the Buckeye Belle annual picnic in July. I don't have a list of all that was there, but we did have a big crowd. Rosemary and DM Ted were running over with hospitality and good food and fun. There house was easy to spot because WDBIKC Doris had made a banner to string across the

garage doer with Buckeye Belle and our Belle logo on it, It was make on the computer, but Doris did have to draw the logos. Every one there had a great time. Rosemary had a wonderful weekend with her grandson and her children. They spent a rainy day at Sea World. They were all full of sunshine so it didn't matter about the weather.

The TASYLS had a nice annual meeting in Saginaw. YLRL members attending were KA8TMD Anna, KA8SQL Anne, WDBDQG Carol, WABUXE Rosemary, WABARJ Bobby and KI8U Uerline,

The TASYLS picnic was held on the same day as the Belles, so many of the gals could not make it to both. Thoes attending were KA8TMD Anna, WDBDQG Carol, WABARJ Bobby, KIBU Uerline and two of the DMs KA8SQS Jim and WBJB Floyd.

Congratulations to Rose Marie ex-N8FGT for upgrading to Advanced and for a new baby. I wish I had more info on this, next time. I hope.

WBQOY Donna will have her new grandchild by August 22nd for sure. Congrats in advance Donna.

WA8EBS Eila and DM Jim have been busy this summer with visitors and going back and forth to the cottage at Kelleys Island.

WDBMEU Shirley is one happy YL. She was truly amazed to receive the gold cup for CW and to place 3rd in th SSB in the NAYL to DXYL contest. She said it sure blew her theory that anyone from Mi. would ever place high in any contest. Shirley, you worked for and earned it and we are all very proud of you. We wish you the best of luck in all contests and I look forward to meeting you on the air. Shirley and OM George stay busy with the UE and are Co-Core Leaders with the DeUry UEC. They enjoyed their summer by camping their way thru In. and Mi. Now it's time to get kids ready for school and look forward to the Mini Convention in Fl. next Spring.

KB8YS Donna has stayed busy with PS activities and two of my favorites are the Twinsday parade and the All American Soap Box Derby. KA8CYF Helen and I both worked the Derby. I am going to San Antonio Tx. and then to Phoenix AZ. Later this fall, a Caribbean cruise, hope to have a lot of news.

The news from my adoptee, CE3CEW Carmen should be of interest to all. She is planning a DX-pedition to Easter Island. Preparations are still being made, but hy the time this news reaches you, she should be the new contact in CE0A land. She especially likes RTTY/AMTDR.

Again, thanks tD all of you that have written to me and I thank the frequency gods for good conditions now and again so I can hear some of the news.

33 & 76

Donna KBBYS

OUR CONDOLENCES TO:

KS9N, Mary, on the death of her mother

With many thoughts and deeoest sympathy
in the loss of one dear to you.

9th District News

Ann Arnholt, K9RXX

After a nice summer. I find it hard to settle back into the old school routine.

I received a most welcome letter from Marianne AE9X. She has not been on the air much lately but has finally completed her Master's Degree at the University of Chicago so will now have more time for radio activities. Marianne is working for a law firm in the Sears Tower Building, the tallest building in the world and she is on the 70th floor and has a magnificent view of the Chicagoland area. Marianne's job is handling foreign patents and trademarks, which she enjoys immensely. Thank you Marianne, for the picture of the Sears Tower and wouldn't an antenna be great up there?

Mickie WA9LYJ has been busy this summer with flowers and vegetables. The piano and organ lessons are progressing, too. She is crocheting a goose for a friend who collects them and plans to crochet an elephant. Mickie's Dad has a cockpoo companion puppy and Mickie is training again but she says this will not take as much training as her guide dog. Mickie keeps a sked every Saturday morning with her foster brother in California so is unable to check into the HAWK Roost. She is now on two-meters with an I COM 230. Maybe we'll hear you on two-meters one of these days Mickey, when the band opens.

Beth WA7FFG is probably back in Arizona now after a summer in Indiana. I was hoping to get a chance to visit with you Beth, while you were in Indiana.

Our condolences go to Mary KS9N on the death of her mother on July 28th. We're all looking forward to hearing you on the HAWK Roost soon again, Mary.

Congratulations go to Adah W9RTH for being a member of YLRL for forty-five years. She has another lovely certificate to hang on her wall with her many other awards and QSL cards. Adah had an exciting experience in May. She was working with a friend in a flower tent when a strong ground wind hit Columbus and just about blew the tent and flowers away. And you thought this would be one of your quieter jobs, Adah! The first of August, Adah visited her daughter who lives close to Fort Wayne and Barb KD9DU and Mary KA9JJB went over for a visit. I haven't heard all the details yet but know they all enjoyed the day.

Mary KA9JJB and Ann KA8TM0 had nice visit at the Marion Hamfest.

Barb KD9DU is working now and we all miss her on the HAWK Roost.

I saw Peggy W9JUU at the Indy Hamfest but didn't get a chance to visit.

W9NBW Dot and Mac had a wind storm in their town, blowing down two big trees taking their antenna with them. True to the Ham tradition that "a ham can find a way to get on the air", Mac tied their antenna to a clothes line post and Dot was able to chat with us on the HAWK Roost.

Ann K9RXX and Frank W9SI0 made a trip to Florida in June to visit parents who are in poor health. The night before we left home our two-meter base station which we had planned to have in the car decided to quit operating so had to take the hand-held which cut down on the two-meter operating I had planned to do. While we were in Florida we had lunch with Marge WB3JUT and Jerry at their QTH. I had hoped to have a daily sked with Marge but the hand-held couldn't make the distance. From Florida we went to the lake QTH of K4A0H Dot and Don in Greenwood, SC where Martha WD4NKP was also visiting. While we were there Dot received an award from the Red Cross for her radio work during the Mexico City earth-quake disaster.

Congratulations again to you Dot.

Fall ham-fests will be coming along soon and I hope to visit several of them. Hope to see you there. Thoughts of going to the Mini-Convention in Florida next spring will help me get through the snowy months, how about you? Keep the news coming.

33, Ann

Hi*****.*****

10th District News

Gwen Ryder, WDOAKS

Hello to all you gals, hope your summer was a good one, ours was wet we have all grown web feet because of it, hi and now there is a feeling of fall in the air already. As most of you know my husband John WD0AKT passed away June 12th., so now I am on my own and facing all the problems of a widow. Of course the first thing is whether to sell this house and move to a smaller one or to move back to England where I was born and be with all my family there. 'Jell I will wait for a year before deciding on that big move. One thing I have started doing is playing Bingo and really enjoying it especially when I win, hi. Not much news from you gals this time but I know how hectic summer months can be.

I received the Colorado YL newsletter from Marie WB0HUC, they were going to have thier meeting and Pot Luck lunch at the home of Margaret K0IQ, hope you had a good time. Marie said she was taking her "Crazy Beans" for the lunch, hope you will send us the recipe Marie we are always looking for something different to eat, hi.

It was so nice to hear from Juanita WB0WWD who is the editor of the QCWW newsletter Siler Sparks of which she sent me 2 copies, they were very interesting. Juanita and her OM Bob WOPIV have been active in the Emergency Earthquake drills at the New Madrid Fault in SE Mo., so they will be ready for action, as she say's, "not if it should happen but when it should happen. Hope it was 'nt too wet for your camping this summer and that you had a great time, thank you Juanita.

I took Lea KD0CB with me to play Bingo I did'nt win but she did, hi. Harriet WB0ZQZ Helen NM0E and Mary KA0OMX are making plans to go to Duluth on Sept. 13th., to see the Hawk migration, sure hope the weather holds good for that day, it can be pretty cold there when the wind blows across Lake Superior.

This is all till next time, drop a line when you have time, take care - have fun 33 God Bless. Gwen WD0AKS.

QST QST QST BAYLARC'S BACK!

The response to BAYLARC's reactivation has been overwhelming. BAYLARC has always been highly regarded by hams everywhere. Many YL and XYL convention fun events and YLRL forums in Northern California have been BAYLARC presentations. Non-members wishing further details may contact Vera Wall, WA6PKP, 415/589-0520 or Sue Ludemann, KA6SOC, 415/234-0717 or write to BAYLARC; 928 Santa Barbara, Millbrae, CA 94030.

It's that time of summer when everyone starts counting the days until the end of August — thinking about school bus schedules, packing lunches, and the many activities that start in the Fall. Nevertheless, we can still enjoy these last few glorious days of summer here in VE land.

Barbara VE3BFN is back in Canada for the summer staying at their cottage. Barb says she enjoyed a visit with Joyce VE3ATV on the way through London, Ont.

Judy Vance and family had a wonderful trip to Expo '86 then rented a car for a trip through the Rockies and on to Calgary for a visit with a cousin. Judy has dropped her call as she has not been on the air for several years but she remains active as membership convenor for the Ontario Trilliums.

Audrey VE3ILT extends sincere thanks to each one for the good wishes and cards. Audrey, through sheer determination, has lost a considerable amount of weight and looked very svelt at the head table of Scarborough Amateur Radio Club's AOth. Anniversary dinner where as President she was presented with a corsage of white carnations. Eva Colleek VE3EVA, as a 40 year member of SARC, was presented with a framed certificate, a set of four Anniversary mugs by Audrey and also was presented with a corsage of white carnations. Both corsages, for Eva and Audrey, were pinned on by Betty VE3ASZ who was among the many Trilliums present.

Four Trillium members enjoyed the Old Timers Picnic held in Orillia on June 17th. - Gwen VE3AYL, Doris VE3BB0, Jean VE3DGG and Stella VE3NXG.

Sarah, granddaughter of Minnie VE3DBQ, was christened June 15th. with all of the family in attendance. Sarah wore a lovely christening gown which is 70 years old and is used by all the Buxton offspring when they are christened.

VE3CLT, Thelma's son-in-law (Margaret's husband) succumbed to cancer on June 6th. in Newmarket Hospital. Our sincere sympathy to all the family in their loss.

On June 15th. Thelma's fifth great grandchild was christened.

Mary VE3COH and OM participated on 40 metre phone on field day.

Cathy VE3GJH is the chairperson for CLARA'S 20th. Anniversary Celebration in September 1987. Look for more information later.

Grace VE3MC0 is sporting a brand new car and a very sophisticated typewriter very similar to a computer.

Beverley VE3LZU and her OM Jorgen are expecting a harmonic in December, a fine Christmas gift.

Isabel VE30KI also holds the call KBKIZO.

On August 2nd. Irene VE3AUR and Thelma VE3CLT returned from a super trip out west. They went by plane to Calgary, from there a bus trip through the Rockies to Vancouver, over to Victoria, via the M.V. Star Dancer to Alaska. They had a wonderful time and enjoyed good weather for the entire trip.

Irene VE3IRS and a friend went on a bus tour to Ottawa in May to see the tulips. Irene writes that the weather was sunny and warm and the tulips were at their peak, very colourful. As well as a tour of the City,

Irene and her friend visited the Parliament Bldgs, met Pauline Browes, M.P, for Scarborough Centre and she took them right into the Chamber of the House of Commons, the Senate Chamber and the Library of Parliament. Glad to hear, Irene, you enjoyed the beautiful view of the City from the Peace Tower. Trust you have been able to get in more than a bit of golf during the summer.

Congratulations to Jo Persad VE3IMS/GW4DWR and her OM on the arrival of baby (3 weeks' premature) on August 4, 1986 weighing 5 Lbs. 15 oz
Audrey VE3CCO and her OM Terry enjoyed 2 weeks at her sister Gladys' cottage in the beautiful Kingston area this summer.

The eldest daughter of Audrey VE3ILT was married to Gordon Eades on August 14th. in a quiet family wedding.

Mary VE3C0H and Audrey VE3ILT were out with Scarborough Club field day doing a 'bang-up' job. Doris VE3BB0 was out the same weekend on the Roffie tournament. Thelma VE3CLT who is usually out helping had to be out of town.

Sorry to hear that Thelma VE3CLT came home from her holidays to find her pet dog had passed away with a heart attack.

I would take this opportunity of expressing my sincere thanks and appreciation for the cards and messages of sympathy on the passing of my father-in-law in June and also my 19 year old nephew who was killed in a car accident this past week.

Well, gals, this is all the news for now. PLEASE drop me a note and let me know what is happening to you and yours.

33/73

Stella



Darleen Magen, WD5FQX

M*****

CONGRATULATIONS to YT3YL, Alenka, who married YU3AN, Boris, and took time out from her honeymoon to send me a beautiful picture postcard from the coast of Dalmatia. They send best regards and hope to QSO many of you soon.

CONDOLENCES to the families of I8PLH, iildegaard Pellicone, who passed away of cancer on January 5, 1986, and BRS 41471, Marjorie Pullen, who passed away following heart surgery on June 25th.

It has been my great pleasure to receive so many letters from our DX YLs and their sponsors. Any news for inclusion in the next HARMONICS should be in my hands no later than November 10th. If you QSO a DX-YL who is not a member, please tell her about YLRL, and if you desire, I will be happy to write her a personal invitation. Please include her full name, call sign and address. Anyone interested in sponsoring a DX-YL, please write me and I will try to find one who meets your specifications.

We have had a very busy summer with a two week trip to California to visit my father and a two week trip to Florida to visit Epcot Center, Disneyworld, Sea World and spend a few days on beautiful Sanibel Island on the Gulf Coast. Just prior to our departure to California, I had the visit of one of my adoptees, Greta Hubacher, HB9ARC, who spent 10 days with us and drove with us to California. Sincere thanks to Karla Holmes, WA1UVJ, who so kindly met and entertained her in New Hampshire and assisted Greta in making her future travel plans. We had a YL luncheon in honor of Greta with NW5A, KA5VIN, KA50NE, KESGM, KE5U0, KE5ZI and myself held in Uncle

Rueben's Restaurant in Hot Springs. She also met WD5CP0 who was not able to attend the luncheon. Greta tremendously enjoyed operating as HB9ARC/M as we traveled to California. Upon our arrival, Sue, KA6SOC, along with one of her adoptees, Celia, ZL1ALK, came to pick Greta up and take her to Yosemite and Sequoia National Parks. Sue and her father prepared a Chinese banquet on May 31st. Sue, Celia and Greta took a two week trip up to Northern California, up the Oregon and Washington Coast terminating in Vancouver, B.C. to attend EXPO and met many YLs. Greta traveled from coast to coast and attended the YLISSB Convention in Seattle and altogether spent 2½ months in our country and probably has seen more than most of us. Thanks to all the YLs who were so kind and generous to Celia and Greta!

I would like to introduce the following new DX-YLs:

DL3YBV, Karin Kuehn, an adoptee of KA0OMX, has been licensed since Dec. 13, 1979, but her OM is not a ham. They have one son, Jurgen who will be joining the Army. Her OM is a truck driver. She is a housewife and enjoys knitting, walking, as well as their dog. She operates mostly on 10, 15 and 20 meters, both on CW and SSB, mostly in her afternoons. Karin was very thrilled to meet her sponsor, Mary, KA0OMX and her OM who recently spent 3 weeks in Germany.

G0BIR, Ann Aldridge, an adoptee c.f.N1DJU, is married to G0EHQ. Ann is very interested in 10 and 15 meters and all YL contests but operates all bands on SSB. She is mechanic to her OM who drives a Formula 1 Stock Car which he races on Short Circuit Speedway Track. In addition to reading, she also enjoys photography. She lives in a cottage which is situated on the banks of the Worcester to Birmingham Canal with water 4 feet from the front door. They have a dog, "Duke", a black cat "Sniffy" and a cockatiel.

G4ZEP, Kathryn (Kathy) Catlow, sponsored by Kathy Larsen, KA7IVA, is married to G4ARP, and they have one son, Robert, age 17. She is mostly on VHF but is QRV on RTTY and SSB. She has been licensed since August, 1984. Her OM was originally licensed as VE3BXX in Canada when they lived near Toronto about 14 years ago. She is the Secretary of the Oldham Amateur Radio Club and her OM is Chairman.

GW0ARP, Jean Price, sponsored by WD5CPO, is married to GW1LLP and they have two grown children. She is active mainly on SSB on 15 and 20 meters between 0700-1600 GMT around 14.300 - 14.130. Her hobbies include spinning, weaving, silverwork, lace making, etc. They have a small farm on which they keep sheep for their wool and enjoy living in the country. They are hoping to visit Nev/ Zealand next February and March.

KX6AZ, Annabel Lyman, self-paid, is married to KX6JC. They have spent the last 2 years at Enewetok. Previous 5 years were spent sailing and traveling through the Pacific, Southeast Asia and Asia. Her family lives in Montreal, Canada where they try to visit each summer. She operates mostly on SSB on 15 and 20 meters, especially around 14.309 from 0300 GMT and 14.315 around 0800 GMT. Also on the 14.220 Net around 0600 GMT. Her hobbies include wind-surfing, cooking, reading and running.

0K1KTH, Linda Rokbol, sponsored by W1FTA, is married to 0Z1UTG and they have one daughter, Jeanette, age 16. Linda is active on all bands, both on CW and SSB. She works for the telephone company. Her OM is a postman. Her daughter is in high school and plays pipes in the Aarhus Girl Marching Band which visited the U.S. from June 27th to July 16th performing at the opening of the Statue of Liberty. Jeanette had been in the U.S. in 1983 also with the band. Their home is located 3 km. from the sea and the forest. Her daughter just passed her license exam for 2 meters with the call of 0Z1LSP and will go on to take the general exam.

VK6DE, Bev Hebiton, sponsored by N6LFZ/W7, is married to VK6AI, and they have three grown children. She is active on SSB on 15, 20 and 80 meters, especially on Mondays at 0600 GMT on the "220" Net and 0500 GMT on 14.160. Her OM is a farmer and they are semi-retired. Their farm consists of 5,500 acres with 3,000 sheep which they farm for wool. They also plant 2,000 acres of wheat and barley. The climate is mild in the winter with no snow but the summer can be very hot with temperatures sometimes reaching 47 C. Her hobbies include lawn bowls, stamp collecting, lapidary work, collecting, cutting and polishing rocks. (I had the pleasure of meeting her in Queensland in 1985).

VU2MYL, Suri Ramatripura Sundari, a sister of VU2RBI, and sponsored as a family member by WD5FQX, is married to VU2MY and has another sister, Mrs. Sharada, VU2AGX. She is employed as a telephone operator in the A. P. Government and has participated in club meetings, DX programs, cyclone relief amateur radio communications network and attended several ham clubs and societies in the world including ARRL, JARL, DARC and RSGB.

ZL1BRX, Eileen Bain, sponsored by N5FFB, is married to ZL1SP, and they have four children. One daughter, Annette, holds the call of ZL1U00. Eileen is in the process of upgrading and can be found around 28.525 when 10 meters is open. She grows cymbidium orchids and other plants and enjoys participating in contests and is anxiously looking forward to working on 15, 20 and 40 meters after she upgrades. (I met her in 1985 and had a great time).

ZL2B0V, Anne Griffiths, an adoptee of NM7N, is married and has 3 children. She is very active on 80 and 20 meters, mostly on phone especially around 14.336 and 14.309. She lives on 2 acres out in the country and spends a lot of time in her vegetable garden. They also raise turkeys, ducks, and have a milking goat. In addition, she spins wool, loves chin-wagging (visiting) and award hunting. Her stateside QSL Manager is K9GTQ and she is hoping to visit the United States one of these days.

ZL1CAV, Philippa Van Kuilenburg, sponsored by K0JFO, and is married to ZL1UKX and they have three children, Tina, 17; Martin, 15; and Helen, 11. Her OM is an electrical fitter foreman for an electrical board. Philippa is a Tutor Coordinator training teachers for private day care organizations which provide full and part-time day care for children, ages 2 weeks to 12 weeks. In addition, she is taking a correspondence course for a Degree in Education and is half way through. Her hobbies include embroidery, patchwork quilting, knitting, crocheting, bowling, tennis, swimming and walking.

CP5LE, Barbara recently received her first class license and hopes to be active on 15 and 20 meters as well as 40 and 80. Friends in New York sent down a used directional antenna for her to add to her Swan 500C and recently acquired Johnson Viking Linear Amplifier. She is looking forward to meeting many YLRL members. Conditions during the YL-OM contest were extremely poor and she heard only one OM.

CT1YH, Lucia, returned from Lisbon where she had lunch with many CT's. She was tremendously surprised and pleased to receive a very nice cup for the Portugal contest. Congratulations!

DF1LV, DF2SL, HB9YL, TZ6FS and about 300 YLs who attended the Ham Radio Convention in Fredrickshafen July 5th sent best wishes on a picture post card.

DF3BN, Lydia, was looking forward to working the YL-OM Contest. It was a very cold morning so she turned on the heater so the room would be more comfortable. Then, the painter arrived and she had to prepare the room for his work. Just before the contest, several YLs from the local radio club arrived from a trip to Holland. After they left, she settled down with a cup of coffee and started to listen. No conditions on 20—just a great rustle like being on the beach which was very sad indeed. She had a sked with her sponsor, KA0GON, but had no success. Lydia didn't work many stations and thinks the European OMs are not as interested in working this contest. She heard

only 3 DL YLs and 3 PA-YLs but did enjoy the contest and is looking forward to trying again next year. Good luck!

DF3RJ, Juliane, is very appreciative of continued sponsorship by N6KEZ in YLRL. She is not very active on 15 or 20 as the Town Council in this medieval town doesn't allow big antennas sticking out from the roof of their 17th century houses. During Whitsun holidays she had the visit of Uschi, DL3LS and her 0M, Heinz, DL1RA, and together they visited Dinkelsbühl.

Martina, DF9IJ, is looking forward to meeting her sponsor, LARA of Orange County in the spring of 1987. She was planning to leave for Israel around the end of June to spend 3 months in a kibbutz and was hoping to meet the other active YLs in Israel. Her father is very active in the moonbounce program and she will help Ralph, 4X6IF, put up an EME rig to improve his station with a high performance preamp so by the end of her stay there might be a new country QRV via the moon (144 me.).

DJ0GI, Lois, is expecting her 3rd child at the end of August. They have been transferred to Northern Germany near Hannover. Her Dad just upgraded to Advanced with the call of KI6EM and her mother got her General N6CN0. Any YLs traveling to Europe this year are welcome to stop by for refreshment as they will be living only 4 miles from the largest lake in Germany, Stinzhuder Meer. Due to the move and the arrival of a baby, the antenna and rig situation has had to be postponed.

DK1HH, Anita, planned to holiday in Biarritz, France, driving to Greenoble and then from Toulouse to the Coast and hoped to have an eyeball QSO with F5RC, Renata.

DK5TT, Margot, was awarded the Golden Pin of Esteem from D.A.R.C.

DK9ZL, Ella, traveled to Italy with her sister and had a wonderful time with only sunshine and blue sky, visiting Capri, Pompei, Vesno, etc. Then, she made a trip with Bruno in their camping bus to Fredrickshafen.

DL1MS, Juliane, sent a beautiful needlepoint pillow to her sponsor, K7ESA, in appreciation for again being sponsored into YLRL. Juliane and her 0M visited their daughter, DF3RJ and then journeyed on to Fredrickshafen, situated on Lake Constance for the annual ham radio exhibition and convention.

DL4NAN was visited by her sponsor, Mary, KA0OMX and her 0M. They spent a wonderful time speaking a mixture of English and German. They visited Nuremberg, toured the Palace and bought strawberries at the market so that Mary could make a strawberry pie for her adoptee to try.

F2SQ, Alice, was unable to participate in the last contest as she had no antenna but has now installed a new 14 AVQ and is again active with 500 watts on C.W. She is looking forward to meeting many of the YLs on the band and sends her very best wishes to all members of YLRL.

F5RC, Renee, sent me a beautiful picture postcard of the Eiffel Tower with the Statue of Liberty in the foreground along with the special stamp that France issued to commemorate this wonderful occasion.

F5XL, Monique, had the pleasure of a visit from her sponsor, Jessie, WA60ET and her 0M, Pete, K6JG. This was Jessie's first visit to Europe. Monique and her 0M are not on the air very often but have a lovely villa close to Nice and the Mediterranean. Monique is still the graceful "French Model" and enjoyed the American Indian jewelry they brought.

G3HCQ, Sheila, has just moved to a new QTH with plenty of room to erect antennas. She is still Chairman of the Stamford Radio Society. She is looking forward to meeting many YLRL members in the near future on the air.

G3LWY, Frances, was anxiously looking forward to her 6 week trip to the U. S. and Canada. She planned to start in Canada with VE3ALV and then take a 14 day Trans Canada trip to see the beauties of the National Parks ending at EXPO 86. Then to San Francisco where W6BDE invited her to stay; then to Los Angeles to visit N6HSA who is a regular visitor to England. On to Las

Vegas where K7BDY and his wife were to take her to visit the Grand Canyon enroute to their ranch. She was looking forward to meeting many of the YLRL members and to using her reciprocal license. (I met her in London in 1984).

G8LY, Constance, is looking forward to an improvement in the sunspots to enable her to talk to all the DX, especially when 10 meters opens again. She will be celebrating her 75th birthday. We all join in wishing you the best birthday ever with many more to follow in good health and propagation!

GM4COO, Denise, has had a most difficult year with health problems and undergoing treatment and is living for the future. They are decorating their QTH and hoping to sell their house and move to a more rural QTH. She is now working as Branch Manager for a Party Plan Company dealing in ladies' and children's clothing. Her son, Peter, 3i will be attending nursery starting in August five mornings a week. She has little time to be on the air and the QRN at their QTH is very bad.

HB9ACO sends best wishes from a walking holiday in Cornwall, England.

HB9ARC, Greta, sends best wishes to all members of YLRL and sincere thanks for the generous hospitality extended during her month trip to the U.S.

12KYM, Manuela, is interested in acting as QSL Manager for any station who might need her services. She has just changed her QTH and her new address is okay in the Directory Issue. She sends best 33s.

LX1PZ, Paulette, and her daughters are very excited about their trip to the U.S. Unfortunately, her OM will not be able to join them as he can't take two months holiday. They planned to visit Karla, WA1UVJ as well.

OK3TMF, Gita, advises her daughters are all doing very well in school. She continues to work as a programmer at their computer center so her time on the air is very limited. Her 2 element quad was struck by lightning during their first spring thunderstorm so she could not operate the DX to NA-YL Contest. Her husband fixed the antenna so she could work FO0XX for her 294th country but now she has troubles with TVI. She is active on 7 Mhz. with a 2 element beam between 2300 GMT and 0400 GMT, mostly CW.

OZ1FRR, Annalise, has been very busy both at work and home but did manage to work Iris, W6QL from her African DXpeditions. Her son, his friend and their girlfriends took a two week car trip to Paris.

OZ1GLN, Anne, has been very busy painting, wallpapering, etc. and looking forward to getting the carpet laid and getting the right furniture.

PY1DVQ, Barbara, has been off the air for several years but thinks she'll be back one of these days, the greatest problem being her antenna. She sends best wishes to all YLRL members.

SM5CXC, Gunilia, has little time to be on the air but looks forward to reading HARMONICS to keep up on the news.

SP2FF, Barbara, advises her OM had been ill and in the hospital on three separate occasions but is much improved now. She has participated in several ham gatherings and celebrations and told them about her wonderful visit to the U.S. and her friends thoroughly enjoyed looking at the photo album which Ethel, K4LMB, and the members of YLRL prepared for her.

SV1VH, Kate, suffered a gymnastic injury necessitating her to travel to London for treatment with severe pains in the back of her neck. The pain got so bad she couldn't move from the waist upwards but after several months of treatment and a neck collar, she is almost back to normal. However, she was unable to study for her exams and will have to take them later. She just sent me a lovely postcard from Nea Styra where she is spending several weeks.

VK3DMS, Marilyn, has been busy preparing her mineral stamp collection for another exhibition in Adelaide. She was very happy to learn she had won another medal of the same level despite the much greater competition and higher standard. They enjoyed a lovely gathering of VK-5 YLs while there and were able to renew some friendships and meet two new ALARA members. She will become the President of ALARA next year.

VK3KS, Mavis, advised that VK4ASK and two of her daughter spent a week on "Timshel", the sailboat that Wendy, VK4BSQ and her OM are cruising on. Mavis' youngest son, Russ, is now studying at Balarat College and comes home weekends.

Josie, VK4VG, advised she has successfully upgraded completing her exams on May 20th. CONGRATULATIONS! Josie is also studying Esperanto. She heard there was a Net on 14.166 but she hasn't heard anything there. Anyone knowing more details about this Net, Control, days of the week, times, etc. please communicate direct with her. Josie is thinking about learning the Japanese language as well. She sent a beautiful postcard from Jindabyne in the Snowy Mountains where she was holidaying with her daughter and grandchildren but when they arrived there was no snow. Hope you got it before you left and were able to enjoy it!

VK6YF, Poppy, says that since her OM retired, they have been spending quite a bit of time traveling in their caravan and away from HF. In addition, they are babysitting their granddaughter, Coby, until October as their daughter, Lynda, has returned to her profession of teaching.

VK6YL, Jill, sends best wishes to all. She suffered a fall in February near her back door resulting in a compound fractured right wrist and dislocated left elbow, with right arm in a cast and left in a sling. Then she came down with a bad cold which turned into the flu but she is on the mend.

VK7HD, Helene, and her OM, Peter, hope to visit the U.S. and Canada in 1988-89 when he gets his long-service vacation. Teachers in Tasmania get 3 months off with full pay every 10 years. In 1978 they went to Europe, West Coast of U.S. and Canada. Her duties as a pharmacist filling in for owners who take holidays, become sick or need time off, keep her very busy. Many of the pharmacies there are running with computers which help keep a record of patients' medications and whether or not a bad interaction will result when new medication is prescribed by the physician.

VU2CVP, Chitra, has been busy getting the children back in school and has not been active for the past 6 months but has started going on the air again. She is mostly QRV on 7 Mhz. around 7.088 at 0100 GMT and also listens on 20 meters around 0130 GMT to 0200 GMT. The Coimbatore Amateur Radio Club was inaugurated in 1985. She wishes all the best to YLRL and hopes to meet many of you on the bands in the near future.

VU2GO, Shanthini, is planning to put up her antenna and get her shack organized in order to be on HF and look for old friends.

VU2MYL, Suri, sends best wishes to all members and looks forward to meeting many of you on the bands very soon.

VU2NBC, Nimi, has her 40 meter beam up, and although not very active, hopes to be on the air more regularly to meet many YLRL members.

VU2PSS, Sharda, expresses appreciation to her sponsor, WB8JIB, for again enabling her to be a member of YLRL. The weather has been very hot and only go out to shop during the month of May. Her eldest brother got married in February and her second sister was planning a June wedding. Her parents have gone to Cochin for a month.

VU2RBI, Rayaprou, sends best wishes to all members of YLRL and would appreciate receiving articles regarding YLRL news for her Indian Quarterly Magazine. She is hoping to attend the 1989 Convention in Hawaii.

VU2UGI, Usha, wishes all YLRL members the best in health, propagation, and peace. They were unable to go on holiday due to heavy workload at her OM's office. They are hoping to travel to the States in October for 2 weeks if his leave is not cancelled again. She is very involved in the P.T.A. at her son, Viki's, school. They enjoy ham visitors and recently had a surprise visit from Takao from Tokyo and later N4ISV and K3TW.

YT3YL, Alenka, is very happy with her new call and was very disappointed about the foreign radar causing QRM making it impossible for her to make many QSOs during the DX to NA-YL Contest but plans to be active for the coming

YLRL Contests. She was also very busy with wedding preparations. I just got a picture postcard stating they are now married and having a wonderful honeymoon at Dalmatia located on the coast of Yugoslavia. CONGRATULATIONS!

YV5CKR, Helene, sent her sponsor a beautiful long string of pearls and a crocheted doily done perfectly.

ZL1A.JL, Carol, continues to be very busy at work and even though she has 51 days of annual leave due in addition to 1 month's long service, taking any time off for holidays is extremely difficult. She enjoyed watching the Royal Wedding on TV. She informed me that all Grade I and Grade II radio operators in New Zealand became General Class recently enabling her OM, Dave, to operate on 20 meters if he wishes but he has not done so yet.

ZL1ALE, Aola, and her OM, Dave, recently returned from a 10 day holiday to Hawaii. While there, they caught up with Vai, KH6QI, and visited her new home on Kauai. They enjoyed their holiday but found Hawaii expensive.

ZL1ALK, Celia, enjoyed a marvelous 3 week holiday in the U.S. and Canada. Her sponsor, KA6S0C, Sue, picked her up at the San Francisco Airport and I had the pleasure of meeting her in Fresno. She met many YLs traveling by car with Sue and Greta, HB9ARC, to Mt. Shasta, driving up the Oregon and Washington Coasts, Mt. St. Helens and then to EXPO in Vancouver, B.C. She took a 10 day bus trip around British Columbia and met VE7YL, Elizabeth.

ZL2LS, Sylvia, is living with her son and his family and enjoying all the birds he raises in his aviary such as lorikeets, Australian parakeets. In February they had a pot luck garden party lunch for the second district YLs, their OMs and families and local hams with much ragchewing.

ZS1YL, Lee, is very happy to be sponsored by WI4K. They spent a holiday in Bophuthatswana and then visited all her family in Transvaal as she hadn't seen them in years and enabling them to show their sons a bit more of their country. Lee has had some problems with her radio but is hoping to get it corrected and that propagation will soon improve enabling her to contact many members of YLRL and old friends.

ZS2AA, Iris, is very appreciative of again being sponsored into YLRL by NOGP, and sent her a lovely tea cloth to express her thanks. Iris had some medical problems recently but the problem was not malignant and she is now back to normal. She is continuing with her handwork and has just finished a pair of candle holders. She sends best wishes to all members of YLRL.

ZS5DC, Diane, has been very busy moving from the house which they sold in April to an apartment. The building in which their apartment is located is a national monument 80 years old with very high ceilings and enormously thick walls. Their view is across the ocean and the shipping lanes and she enjoys seeing the regattas of yachts which are very colorful and romantic. All the spring flowers are out. She has gone back to work after her retirement. She does not know what the possibilities of getting on the air will be yet.

ZS6AYW, Kate, is having rig problems but is looking forward to her OM's retirement at the end of the year to get things working well. They spent 2 months holiday at Amanzimtoti (Zulu word for Sweet Water) on the south coast of Natal right on the beach. She is hoping to be able to attend one of the YLRL Conventions after her OM retires. She very much enjoyed her visit to the U.S. in 1972 and found the people very friendly.

From Lenore Jensen. W6NAZ: I am comiling a book. Ham Tales, which is a collection of ham anecdotes - rescues, coincidences, amusing exoeriences. Proceeds to ARRL Foundation. If you've had such an interesting thing haoDen to you. of interest to the general public, do send it to me.

Lenore Jensen. W6NAZ: 14067 Round Valley Drives Sherman Oaks. CA 91403

HEW MEMBERS

Introducing some New Members by:

Shirlee J. Moore, KG17Y

KA10BA Holly McLeod from Pittsfield, MA is an 11 year old student with a Novice license. Her Dad is KA10AZ.

KA2TDX Shirley A. Leonard is from Pt. Jefferson, NY.

WA2LGZ Deborah P. Weir is a graphic artist with an Advanced license from Centereach, NY. Her DM, Fred is W2UB.

WB20WD Dawn E. Wierzbinski from Cheektowaga, NY has an Advanced license. Her OM, Matt is WBEDXA es other Hams in the family are Gail, KA2HCB es Jaclynn, KA2IZS. Dawn is active in traffic handling, manager of a 2M Local net, Western District Net since 1984, enjoys working special event stations, CW, genealogy, es stamp collecting. She was the Outstanding Member of the year 1979-80 at Radio Assn. of W.N.Y. (RAWNY), es Amateur of the Year 1986 - Rochester, NY.

N4LHK Mildren A. Cullen is a housewife from Birmingham, AL with an Advanced license. She is EX-KB4KDB es OM, Lewis is N4LBI.

N4NVL Jo B. Horne has a Tech license es is from Tucker, GA. She is EX-KP4PFW es is a retired professional pianist/teacher.

N40DI Veronica N. Hicks "Roni" is a homemaker with a General license from Luthersville, GA. Her OM, Tommy is not a ham. She is EX-KB4SBZ, likes to handle traffic, is a three time Grandma, enjoys knitting, crocheting, quilting, sewing, vegetable gardening, es finds Amateur radio by far the most fascinating.

KA5VIN Carol Jones is a Dept Mng — Wai Mart, with an Advanced license, from Hot Springs, AK. Her OM, Gayle is KA5VIM. Carol is studying for Her Extra es loves Ham Radio and all of her wonderful new friends.

N5JNJ Gay Cline is a housewife with a Tech license ■ from Fairacres, NM. Her OM, Paul is WM5Q, Father is WD5EFZ, es Mother is WB5YAI. Gay is EX-KA5ZXI.

N5IMW Karen S. Blisard from Albuquerque, NM is a Pathologist with a General license. She is EX—KA5WVB, her OM, Russ is WA5Y, Aunt Eva, KC7RY, Uncle Ralph, N7FNV, es Father, KA3Ziy/KT.

KC5SG Hilda Law is retired, from Page, AZ es has an Advanced license. She is EX-WB5YYN, enjoys radio, gardening, reading, es organ music.

N15D Dora Anna Graziani from North Little Rock, AR, has an Extra Class license es is an Accountant. Her OM, Frank is not a ham, but Son is WD5BIV. She is EX—KA5FPS es N5CMA. Dora Anna is the Affiliated Club Coordinator for Delta Div., Secy for the Metropolitan ARC (<4 yrs). Editor for the club newsletter, member of AF MARS, on the Support Team at LR AFB, has many radio awards, es is a VE examiner. She enjoys ham radio es was voted the Outstanding Amateur of the year 1981 es Outstanding Operator of the year 1985.

WB5J Roberta (Bobbie) Leschber has an Extra Class license, is a housewife/part time custodian, and comes from Lake Jackson, TX. Her OM, David is WB5I. She is EX-KA5UVZ, N5HTJ, es KE5ZM. Bobbie enjoys crocheting, cross stitch, es archery, has 3 children, prefers CW, is the local club secy, es is the only YL in her club higher than a General.

WB5YAI Rose M. Hardwick has a Tech license, is -from Las Cruces, NM, es is a housewife. Her OM, George is WD5EFZ es her Daughter es Son-in-law are also hams.

KB6BFG Janice Amat from San Mateo, CA is a R.N. with a General license. Her OM, Rafael is not a ham.

N6KAU Loretta Fanning from Redondo Beach, CA has a General license.

N6LGG Kristel Dalbec has a General license, es is from Chico, CA. Her Mather is N61UG.

KA70FM Judy Shrader has a General license es is from Medford, OR. Her DM, Bill is W7QMU es Son is WB7RQF. Judy usually works 20 M, is active in a Novice Training Program, has been Secy/treas of the Rogue Valley ARC for 3 years, has 5 grown children, es is going to become a Grandmother for the first time in Sept.

KA7VYF Carrie Gunning is a homemaker with a General license from Phoenix, AZ. Her OM, Marv is NS7T. Other Hams in the family are NB7K es KA7GLN >

KA7YG0 Jeanne Heap is retired, has a Tech license, es is from Sun City, AZ. Her OM, Howard is not a Ham.

.KA7W0K/KT Kim Byers is a Comp. Opert. with a Tech license from Hubbard, OR. She is waiting for a new call es her Fiance, Don is KA7QQV.

WB7SUQ Mary J. Kirk from Boring, OR, has a General license es is an Artist. Her OM, Forrest is WB7SVM, Dtr—in—law, Carol is KA5GIS/1, Son, Marty is KA7DUF es his wife, Esther KA7EET. Other Hams in the family are WB7OWM, WB7RAL, WB7SUP, es 2 grandsons working on their code.

WB7WRM Peggy J. Hogeweide has a Tech license, is from Keizer, OR, es is a Housewife. Her OM, Steven is N7A0W. Peggy has 2 children es got into Ham radio with her Father. She really saw what Amateur radio could so when Mt. St. Helens blew up, es hopes to help out in future emergencies.

WSKLZ Elizabeth J. West (Betty) is retired, from Flushing, MI, es has a General license. Her OM, Kenneth is W8JAX es Brothel—in-law is W9ZAF.

KA0WWH Becky Holte from St. Peter, MN has a Novice license. Her Mother is KE0I-L es Father is N0FPK. She is 13 es enjoys electric trains, sewing, swimming, reading, baking, es working with computers.

KE0FL Jan Holte from St. Peter, MN is a housewife with an Advanced license. Her OM, John is N0FPK es Dtr, Becky is KA0WWH. She enjoys needlecrafts, writing, swimming, es ham radio. Jan is EX—KA0QUT es when they lived in Japan she was JR1YYU/3.

SAYLARC cootnissioned Viola Grossman, W2JZX, to draw a memorial scroll in memory of Rose Ellen Bills, N2RE, to be sent to her family. Harmonics would like to share with you the copy of the scroll that we received as it expresses so well the feelings of YLRL. (See following page.) Viola is a most talented artist and among her many credits is our "Girl on the World" logo.

in Memoriam
Rose Ellen Bills

N2RE, Past President of YCRC

(whereas, it has pleased the Almighty to remove from our presence, one so greatly loved among us, and

whereas, the genial composure, kindly helpfulness and faithful service will be sorely missed by all, therefore be

Resolved, that, in this manner, we express our deep sense of loss at the passing of our very dear member and friend, and do it

Resolved that a copy of this expression of our sympathy be sent to the sorrowing family,

from the members of

Saylors

Wednesday, June 18, 1986

FURTHER CONSIDERATIONS ON THE DIPOLE

By Mary Lou Brown, NM7N

In the last article some points regarding the construction, raising, and performance of monoband dipoles were presented. One of the factors mentioned was the SWR, standing wave ratio. Before getting in to multi-band antennas we will digress and go in to more detail about the SWR and how one measures it.

Without going in to a lot of technical details, let it suffice to say, that the SWR is related to the amount of energy actually fed to the antenna as compared to the energy reflected backward toward your rig. To put it another way, the SWR is a comparison of the feed point impedance at the antenna and the feedline impedance. You will have the highest transfer of RF energy to your antenna with a low SWR. For example, if the SWR is 1.5, there is 96% of the RF energy transmitted forward to the antenna and 4Z backward to the rig! if the SWR is 2.0, the figures are 89% forward and 117% backward; and if the SWR is 3.00, the figures are only 75% forward and 25% backward. Ideally a perfect impedance match between the antenna and the feedline, will result in a SWR of 1.0. If the SWR is too high, it can do damage to ones rig. To avoid the damage resulting from an impedance mismatch, an antenna tuner should be used. The use of the tuner does protect the rig in that the rig sees the appropriate load. However, the impedance mismatch between the feedline and the antenna is not changed, and the percent of ones RF energy transmitted to the antenna remains the same.

The impedance mismatch, for our purposes, results from an incorrect antenna length. In the last article, it was mentioned that one should cut the dipole to the lengths indicated in antenna handbooks or in supplier's instructions. However, the height of the antenna and the surrounding environment (buildings, trees, etc.) also have effects on the feedpoint impedance. Assuming one has already determined the location of the antenna, the length of the antenna becomes the critical factor. Since the height and environmental effects on the SWR are too complex to determine, getting the correct length becomes a matter of trial and error. Consequently, I start with the antenna wire a foot longer at each end than the directions indicate for the midpoint of the frequency range in which I wish to operate. (It is a lot easier to cut it shorter than to try to lengthen an antenna once it is too short.) Now the next step is to raise the antenna and measure the SWR.

To measure the SWR first listen to a signal close to the midpoint of the frequency range you wish to use; then adjust the tuner so you hear the signal at its loudest. Note that for this step you are only receiving signals. This lets you know that you are in the ballpark of the proper tuner setting. Next, connect your SWR meter between the tuner and the rig. Now the Job is to adjust your tuner for the lowest SWR. To further protect your rig, set your keyer for rapid dots and transmit using those until you have a fairly good tuner setting, then go ahead and finish setting the tuner with the key down. The SWR you obtain should be close to 1.0. Your rig will now be protected when you measure the SWR on the feedline to the antenna. To do that disconnect the SWR meter and reconnect it between the tuner and the feedline to the antenna.

Now measure the SWR on the feedline at the midpoint of your frequency range. Probably, the SWR measured will not be as low as you would like (1.5 or less). To find out whether or not you will need to shorten or lengthen the antenna, you will need to make SWR measurements at intervals above and below the desired midpoint frequency. Intervals of 25 KHz are quite satisfactory. The frequency at which you get the lowest SWR is the frequency for which the antenna is presently cut. Now you will have to make the decision to lengthen or shorten your antenna. If the cut frequency is too low, you will need to shorten the antenna; if the frequency is too high, you need a longer antenna. Hopefully it will not be the latter as we purposely started out with an

antenna that was longer than the supplier's instructions. Next lower your antennai cut the same amount, an inch or so, off each end. Now raise the antenna again and remeasure the SWR. When you measure the SWR at 25 KHz intervals you should find that the low point is closer to the desired midpoint frequency. Continue the raising,- measuring, lowering and cutting procedure until the lowest SWR is obtained at the desired midpoint frequency. You now have a good, efficient antenna.

So far we have only talked about an antenna that is constructed for one band. However, most hams will want to be Dn more than one band. There are many multiband antennas on the market, but several of these have drawbacks that may make them difficult to live with. We shall say more about these in future articles. For the moment a good solution to the problem is to use traps, thereby making one dipole work for two or three bands.

Traps are designed to operate at a particular frequency. For frequencies close to the resonant frequency they act like an insulator and prevent the RF currents from going further down the antenna. However, when the RF frequency is far enough below the resonant frequency, they allow the RF currents to pass on through. Should we desire to make our dipole operate on two bands, say 20 and 40 meters, we will need to get a pair Df 20 meter traps. First construct a 20 meter dipole, cutting the wire about a foot and a half longer than specified for a 20 meter antenna. The extra wire allows you to prune the dipole to just the length you need for the midpoint of the frequency range you wish to use, and allows about six inches of wire for attaching it to the trap. Then attach a 20 meter trap to each end as described by the supplier, but do not solder them. Cut the wires for 40 meters a couple of feet longer than specified by the trap supplier. If you plan to work CW you may need the extra length. Because of the greater popularity of SSB, supplier's instructions tend to be for the SSB portion of the band, which is a higher frequency and, therefore, a shorter wave length.

YDU are ready now to raise the antenna and measure the SWR. First check the SWR for 20 meters. You may need to go through the "measure , lower, cut, and raise" process a few times to get the length you want. Remember any cutting you do at this point is to the 20 meter section. Finally go through the process of raising, measuring SWR, lowering, and cutting until you have the 40 meter portion the right length. Because of the effect of traps, you will find that the overall length of your 20-40 meter dipole is a little shorter than the length of a monoband 40 meter dipole (55 feet or so as compared to about 67 feet).

Another effect of adding traps to your antenna is the reduction in band width. This becomes critical if you add the 80 meter band to your dipole. The 80 meter band covers such a broad frequency range that it may be necessary to cut the wires for the 80 meter portion either for the lower part or the upper part of the band. Some antenna tuners can handle the problem and keep your rig protected throughout the band, but remember that it's the SWR on the feedline to the antenna that determines the percentage of RF fed to the antenna.

Whereas it was not too difficult to get the monoband dipole stretched out fairly well without the aid of a center support, the addition of traps makes the multiband dipole too heavy. A telescoping TV antenna mast, with a horizontal piece fastened at the top, makes a good center support. If braced against the house, it probably will not need guying. You may find that having the center support a little higher than the end supports works out quite well. In a sense you now have an inverted V configuration.

Trap dipoles are good multiband antennas to use when one does not have a beam antenna. They are also good for the lower HF bands where a beam antenna is impractical. In the next article we shall consider the radiation pattern, construction, and installation of vertical antennas another type of simple antenna.

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